



Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Motionflow™ 120Hz technology delivers natural motion
- Slim bezel, thinnest of Sony® BRAVIA HDTVs
- DMe™ capable³
- BRAVIA Engine™ 2 fully digital video processor
- Advanced Contrast Enhancer circuit (ACE)
- Dynamic Video Noise Reduction
- 24p True Cinema™ capable
- DLNA® compliant² (RJ-45 Ethernet)
- 10-bit processor / 10-bit panel
- Deep Color (HDMI™ v1.3 option)
- Live Color Creation™ technology featuring the WCG-CCFL backlight
- Digital Media Port
- Xross Media Bar™ (XMB™) user interface



Key Technologies

16:9 Full HD 1080p Resolution Panel 16:9 Full HD 1080p resolution panel (1920x1080) accepts any HDTV signal and renders it with optimum resolution.

Motionflow™ 120Hz technology Motionflow™ 120Hz technology doubles the number of frames in incoming video content by creating and inserting sixty entirely new frames between the existing sixty frames in real time. In addition to creating new frames, Motionflow™ 120Hz technology also includes an Image Blur Reduction algorithm, which reduces source image blur captured by the camera, as well as a de-judder circuit to help reduce jerking and stuttering during sweeping pans. The end result is smoother, more fluid motion that delivers a natural and realistic viewing experience.

DMe™ enabled DMe™ functionality³ expands your HDTV's capabilities by letting you connect optional BRAVIA® Link modules, including the BRAVIA® Internet Video Link, BRAVIA® DVD Link, BRAVIA® Wireless Link and BRAVIA® Input Link (all sold separately).

BRAVIA Engine™ BRAVIA Engine™ fully digital video processor uses a collection of unique Sony® algorithms to significantly reduce noise, enhance overall image detail, and optimize contrast so every scene produces sharp, vibrant, life-like images.

Advanced Contrast Enhancer circuit (ACE) Advanced Contrast Enhancer circuit (ACE) dynamically improves contrast, resulting in deep blacks in darker scenes without losing fine details in shadows and other dark areas of the picture.

Dynamic Video Noise Reduction Dynamic Video Noise Reduction adaptive technology analyzes the motion, sharpness, and brightness of each scene in real time to identify various types of noise and reduce unwanted artifacts without compromising the video signal.

24p True Cinema™ capable 24p True Cinema™ mode enables you to enjoy films at their intended 24 fps (frames per second) when viewed using a 24p capable output device, such as a Blu-ray Disc™ player.

KDL-46Z4100/S

46" BRAVIA® Z Series LCD TV

Features

General

On-Screen Display: Enhanced GUI + XMB
Auto CC on Mute: Yes
BRAVIA® Link Module support: Yes

Display

Panel Type: LCD
Display Technology: LCD (178° wide viewing angle LCD display panels)

Video

Video Processing: Yes (Bravia Engine 2™ Technology)
CineMotion® Reverse 3:2 Pulldown Technology: Yes
Game Mode: Yes
Wide Mode: Wide Zoom, Normal, Full, H Stretch, Zoom
Deep Color: Yes
3D Comb Filter: Yes
PhotoTV HD: Yes
MPEG Noise Reduction: Yes
Live Color Creation™ Technology: Yes
Auto Wide: Yes
4:3 Default: Yes
24p True Cinema™ Technology: Yes
x.v.Color™ Technology: Yes
Picture Mode: Vivid, Standard, Cinema, Custom; Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Advanced Contrast Enhancer (ACE): Yes
Image Blur Reduction: Yes
Motionflow™ Technology: Motionflow™ 120Hz

Audio

Digital Amplifier: Yes
Voice Zoom: Yes
Auto SAP: Yes
Auto Mute (on no signal): Yes
Steady Sound® Automatic Volume Control: Yes
Audio Out: Fixed
Sony Original Surround: S-Force®
Stereo System: MTS
Dolby®: Dolby® Digital
Alternate Audio (Digital): Yes
Sound Booster: Yes
5.1 Channel Audio Out: Yes
Sound Mode: Dynamic, Standard, Clear Voice

Convenience

Channel Jump: Yes
Favorite Channel: Yes
Program Guide Access: Yes
Multiple Language Display: English, Spanish, French
Info Banner: Yes
Sleep Timer: Yes
Input Skip: Yes (Auto)
Channel Surf: Yes
Channel Block (with password): Yes
Edit Channel Labels: Yes
Label Inputs: Yes
ID-1 Detection: Yes
Initial Setup: Yes
On/Off Timer: Yes
PAP (Picture & Picture): Yes
Swap Sound: Yes
Theatre Mode (Theatre Button): Yes
Show/Hide Channels: Yes
PAP (Fixed or Variable): Fixed
BRAVIA® Sync™ : Yes

Parental Control: Yes

BRAVIA® Sync™ Menu Button: Yes
PIP (Picture in Picture): PC Input
Channel Labels: Yes
On-Screen Clock: Yes
TV Guide On-Screen: Yes

Specifications

General

Television Type: Flat Panel LCD HDTV

Display

Viewing Angle (Right/Left): 178°
Viewing Angle (Up/Down): 178°
On-screen Contrast Ratio: 3,000:1
Dynamic Contrast Ratio: 30,000:1
Screen Size (measured diagonally): 46" Class (45.5")
Native Resolution: 1920 x 1080
Display Resolution: 1920 x 1080p (Full HD)
Aspect Ratio: 16:9

Video

Video Signal: 480/60i, 480/60p, 720/60p, 1080/60i, 1080/24p (HDMI™ only), 1080/60p (HDMI™ / Component)

Audio

Audio Power Output: 20W (10W x2)

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Rear)
Composite Video Input(s): 3 (1 Side/2 Rear)
Digital Audio Output(s): 1 (Rear) Optical Digital Output
RF Connection Input(s): 1 (Rear)
S-Video Input(s): 1 (Rear)
Analog Audio Input(s) (Total): 6 (5 Rear/1 Side)
Audio Out: 1 (Rear)
HDMI™ Connection(s) (Total): 4 (3 Rear/1 Side)
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Rear)
HDMI™ PC Input: Yes
S-Video Detection: Yes
AC Power Input: 1 (Rear)
Digital Media Port: 1 (Rear)
Analog Audio Input(s) for HDMI™ : Yes

Power

Power Consumption (in Standby): 0.1W
Power Requirements (voltage): AC 120V
Power Consumption (in Operation) max.: 285W

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes
VESA® Hole Pitch: 300 x 300 mm, M6 Screw Type, 16mm
Screw Length

Service and Warranty Information

Limited Warranty Term: 1 Year Parts / 1 Year Labor

Energy Saving & Efficiency

LightSensor™ Technology: Yes
Power Saving Modes: Yes
Energy Star® compliant: Yes

Dimensions

Weight: 58 lbs. (26kg) with pedestal; 49 lbs. (22kg) without pedestal
Measurements: 42 1/2 x 29 x 12 1/8 in (1079 x 734 x 307mm) with pedestal; 42 1/2 x 27 1/8 x 3 in (1079 x 686 x 74mm) without pedestal

Supplied Accessories

RM-YD024 Remote Control
Batteries (Type AA x 2)
AC Power Cord
Operating Instructions
Quick Setup Guide
Warranty Card
On-line Registration Card
Cable Clamper
Open-source software flyer

Optional Accessories

RHT-G1500 Stand
RHT-G900 Stand
WS-S10LS Stand
SU-WL500 Wallmount Bracket

Color: Brushed Metal finish

UPC Code: 02724273610

1. Limited to resolutions supported by both the PC and the Sony® HDTV. See Sony® HDTV users manual and PC documentation for the supported resolutions
2. Media streaming requires a PC with Microsoft® Windows XP, SP2 or later, or DLNA-compliant media server. Home network required and sold separately.
3. Requires BRAVIA® Sync links, sold separately.
4. BRAVIA® Sync works with select Sony home theater products. Please refer to owner's manual for compatibility.

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